Quality Control

Work Ord November-11-1				*109	114*						Page 1
Item ID: Revision ID: Item Name:	D3917-3 Washer			Accept	*N900	<u>040</u>	100)* s	etup Sta	1.7	S1* S2*
Start Date: Required Date Reference:	11/11/13 : 11/25/13	Start Qty: 100.00 Req'd Qty: 100.00	*100* *100*		Cust Item 1 Customer:	ID:					,
Approvals:	QC:Operation		Date:	Tooling: SPC (Y/N):	Date:			R	tun Sta Sto	1/	R1*.
Sequence ID/ Work Center I				Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	ision Nbr		;							
D3917	A										:
*100 *100*				0.00				104	Ø		1/3-11-24
Hardinge CNC Lat	he Smal!	Memo TURN AS PE FOLIO REV: DWG REV:_		0.00							
		DEBURR									
110		QC2- Inspect parts off ma	chine FAI/FAIB	0.00				/	•		Plana
11 10 QC		Memo		0.00				104	S		A415-11-2

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DQA:	Date:			WORK ORDER NON-CONFORMANCE / UPDATE									
QA Closed:	Date:			WORK ORDER NON-		NITO	NVIAINCE / OF DATE	W	ork Order up	date only	AEROSPACE		
Work Order:				DISPOSITION			AGAINS	T DE	PARTMENT/PROCESS				
Part No			-	Rework Scrap Use-as-is Suspected Unapproved		Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Large Fab Composite		b _	Prod. Eng. Coor Rec/Store/Packaging		Engineering Quality Other		
Root		D	escr	iption of work order update	1	nitial	Action		Sign &	· ···			
Cause Date	Step	Qty		or non-conformance	Ch	ief Eng	Description		Date	Verification	QC Inspector		
Design Doc/Data Equip/Tooling Handling/Pre Material Operator Offset/Setup Process Supplier Training Transport Unapproved													
					FAI	JLT CA	regory						
Cracks Crimp Cuffs Crushi Heat 1 Inspec	Not Concer Kink/Ripple	/Wave Tube		General Bend BOM/Route Broken/Damage/Defect Burrs Contamination Countersink Cut Too Short Drawing Drill Holes Finish Fit/Function		Grain Hardwa Inspect Instruct Misalia Mislabe Misreae Off-set	ion Incomplete/Unqualified tions Incomplete/Unclear gned/off center eled		Outside Dim Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/	tolerance ct issing Vrong	Pressure/Forced Set-up Temperature/Cure Weld Wrong Stock Pulled Other		

109114

Page 2

November-11-1.	3 1:53:56 PM	М			1175	7								
Item ID: Revision ID: Item Name:	D3917-3 Washer			Accept		*N900	040	100)* s	etup	Start Stop	*NS	S1*	
Start Date: Required Date: Reference:	11/11/13	Start Qty: 100.00 Req'd Qty: 100.00		*100* *100*		Cust Item Customer						ı v.	. 17	
Approvals:		an:		Tooli	ing: (Y/N):		Date:		R		Start Stop	*NI	R1*	
Sequence ID/ Work Center I 120 *120* QC Quality Control		Operation Description QC8- Inspect parts - secon		Se	et Up/ un Hours	Tool ID	Tool# 1 25	Plan Code	Accept Qty	Reje Qty	1	Reject Number	Insp. Stamp	
*130 *130* Packaging Packaging		Identify as per dwg & Sto Memo	ck Location	n: <u>870</u> 7 0 0.00					104;	X			^U AS 26 989 '3-//-	
140 *140* QC Quality Control		QC21- Final Inspection - Memo	Work Order	Release 0.00							13,	11/0	174 mf	J

de alla de la compania della compani

DQA: Date:					·	WORK ORDER NON-CONFORMANCE / UPDATE										
QA Closed:			Date:			WORK ORDER NON	-((JINFOI	KIVIANCE / UI		Wo	rk Order up	date only	A E R O S P A C I	E	
Q. (0.0000 .						DISPOSITION				* 1	_ .					
Work Ord	er:					DISPOSITION	_		AGAINST DEF				- FROCE33			
						Rework			Skid-tube Crosstube				Water Jet	Engineering		
Part I	No.					Scrap			Machining	Small Fab	_		d. Eng. Coor.	Quality		
					Use-as-is		Thern	noforming	Finishing	_	Rec/Stor	e/Packaging	Other			
NCR I	NCR No.				Suspected Unapproved	J	Large Fab Compo					Supplier	_			
Root					Desc	ription of work order update		nitial	Act	ion		Sign &				
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descr	iption		Date	Verification	QC Inspector		
Design																
Doc/Data								,			Į					
Equip/Tooling	Ш										ĺ					
Handling/Pre	Ш			'												
Material	Ш															
Operator	Щ										I					
Offset/Setup							ł				ĺ					
Process																
Supplier	$ldsymbol{\sqcup}$															
Training	Ш															
Transport	<u> </u>															
Unapproved							<u></u>		<u> </u>							
							FA	ULT CA	TEGORY							
Landi	ng (1				General		11:- /5		г	_	0.4-14- 61	Г	¬		
	\vdash	Bending			-	Bend	-	1	Program	}	-	Outside Dim	-	Pressure/Forced		
	\vdash	Centre No	ot Concer	ntric	-	BOM/Route	\vdash	Grain		}-		Over/Under	<u>-</u>	Set-up		
	<u> </u>	Cracks	ala/Diamla	/\41==		Broken/Damage/Defect	_	Hardwa			\dashv	Part Incorred	-	Temperature/Cure		
	\vdash	Crimp/Kir	ік/кірріе	wave	_	Burrs	\vdash	1	ion Incomplete/Ur	· .	\dashv	Part Lost/Mi		Weld		
	-	Crushing			\vdash	Countarink	\vdash	-1	tions Incomplete/l	niciear	\neg	Part Moved		Wrong Stock Pulled	ì	
]	\vdash	Crushing			\vdash	Countersink	\vdash	Mislabe	gned/off center	}		Positioned V Power Loss/		Other		
	\vdash	Heat Trea		Tubo	\vdash	Cut Too Short	-	Misrea		Ļ		rower Loss/.	ouige _	Jourer		
	\vdash	Inspectio	-	eauı	<u> </u>	Drawing Drill Holes	-	Off-set								
	\vdash	Marks/Ch Turning S			-	Finish	\vdash	4	Calibration							
ļ	\vdash	-1 -			-	Fit/Function	\vdash	-{	Sequence							
ł	Wave/Twist in Tube		- 1	i i y Function	1	Journ	sequence									

Picklist Print

November-11-13 1:53:59 PM

Work Order ID: 109114

Parent Item: D3917-3

Parent Item Name: Washer

109114 *D3917-3*

Start Date: 11/11/13

Required Date: 11/25/13

Page 1

Start Qty: 100.00

Required Qty: 100.00

Comments:

Ipp Rev:A New Issue 09-12-02 JLM Verified by:DD

IPP Rev:B as

per dwg REV.A DD 10.02.22 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MDELRINR0.750	-	Purchased	No			100	f	128.0000	0.02	3		2.0	
MDFLRII	NR0 750)						•	**	1 280'		Sti	3-11-2

Delrin Round Bar 0.75"

Loc Qty Loc Code Location MAT018 128 1.280' m127442 128

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DQA:			Date:												<u>) Tr</u>
						WORK ORDER NON-	-CC	ONFO	RMANCE / U				_	AEROSP.	A C E
QA Closed:			Date:								W	ork Order up	date only		
Work Orde						DISPOSITION									
Work Orde	٠.					Rework			Skid-tube Crosstube				Water Jet	Engineering	¬
Part N	lo.					Scrap			Machining	Small Fab		l Pro	d. Eng. Coor.	Quality	\dashv
	•					Use-as-is			noforming	Finishing		1	re/Packaging	Other	\neg
NCR N	lo.					Suspected Unapproved			Large Fab	Composite]	Supplier] [
										**		1			
Root					Desc	ription of work order update	1	Initial		tion		Sign &			
Cause	\dashv	Date	Step	Qty		or non-conformance	Ch	ief Eng	Desc	ription		Date	Verification	QC Inspect	or
Design	\dashv														
Doc/Data	\dashv														
Equip/Tooling	\dashv											•			
Handling/Pre Material	_														
Operator									ļ						
Offset/Setup															
Process					1		İ								
Supplier													i		
Training				1											
Transport															
Unapproved															
		-					FA	ULT CA	TEGORY						
Landi	ng (Sear				General						_			
		Bending				Bend	<u></u>	Folio/F	Program		L	Outside Dim	ensions	Pressure/Forced	į
		Centre N	ot Concer	ntric	<u> </u>	BOM/Route		Grain				Over/Under	tolerance	Set-up	
	L	Cracks			<u> </u>	Broken/Damage/Defect		Hardwa				Part Incorre	_	Temperature/Cu	ıre
		Crimp/Ki	nk/Ripple	/Wave	_	Burrs		i `	ion Incomplete/U			Part Lost/Mi	ssing	Weld	
		Cuffs			-	Contamination		4	tions Incomplete/	Unclear	_	Part Moved	L	Wrong Stock Pu	lled
	<u> </u>	Crushing			\vdash	Countersink	\vdash	- 1	gned/off center		<u> </u>	Positioned V	· -	¬	
	\vdash	Heat Trea		~t	-	Cut Too Short	\vdash	Mislab			L	Power Loss/	Surge	Other	
	 	Inspectio	-	Tube	<u> </u>	Drawing	\vdash	Misrea							
	_	Marks/Cl			\vdash	Drill Holes	\vdash	Off-set							
:	_	Turning S			-	Finish Fit /Function	-	-	Calibration						
L		Wave/Tw	vist in Tub	e.		Fit/Function		Jour of	Sequence						

DART AEROSPACE LTD	Work Order:	109114
Description: Washer	Part Number:	D3917-3
Inspection Dwg: D3917 Rev: A		Page 1 of 1

	FIRST ARTICLE INSPECTION CHECKLIST												
	X	First Artic	le	Proto	type								
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection		mments						
Ø0.65	+/-0.030	.648	7		5108	Ven	1						
0.06	+0.000/-0.020	,051	7		11	11							
Ø0.257	+0.006/-0.001	.051 .254	~		- ()	h							
				· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·						
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				, ,		·							
Measured by:		Audited by:	Owf		Prototype A	pproval:	N/A						
Date: /	3-11-24	Date:	13/11/	25		Date:	N/A						
Rev Date 0 A 10.04.01	Change New Issue				Revis KJ	ed by∧	Approved						

